

For Research Use Only

TGFBR3-Specific Polyclonal antibody

Catalog Number:20000-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

20000-1-AP

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_003243

GeneID (NCBI):

7049

UNIPROT ID:

Q03167

Full Name:

transforming growth factor, beta receptor III

Calculated MW:

93 kDa

Observed MW:

110-150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, mouse, goat

Positive Controls:

WB : A549 cells, A431 cells

Background Information

Transforming growth factor β (TGF- β) is a multifunctional cytokine that plays important roles in normal development and homeostasis (PMID: 8530052). There are three TGF- β forms: TGF- β 1, TGF- β 2, and TGF- β 3. The diverse effects of TGF- β are mediated by the TGF- β receptors and cell surface-binding proteins. Three TGF- β receptors exist: TGFBR1, TGFBR2, TGFBR3 (PMID: 8530052; 30184463). TGFBR3, also known as betaglycan, is a transmembrane proteoglycan that often functions as a co-receptor with other TGF- β receptor superfamily members. In addition to the transmembrane form, the extracellular domain of TGFBR3 can be cleaved to a soluble form (sTGFBR3), which may serve as an antagonist of TGF- β to inhibit TGF- β signaling (PMID: 30184463). TGFBR3 has a larger apparent molecular weight than the calculated molecular weight, due to extensive carbohydrate modifications (PMID: 1556106). This antibody is specific to TGFBR3.

Notable Publications

Author	Pubmed ID	Journal	Application
Bingyu Xie	36179941	Mol Cell Endocrinol	WB
Wenxiang Zhu	34656907	Int Immunopharmacol	
Li-Yuan Yu-Lee	29514796	Cancer Res	WB,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

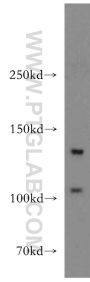
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 20000-1-AP (TGFBR3-Specific antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.